DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-002882
Date Inspected: 08-Jan-2011

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 1500
OSM Departure Time: 300
Location: Shanghai, China

Quality Control Contact: Mr. Don Walton

Quality Control Present: ☑ Yes ☐ No

Material transfer:	☐ Yes	☐ No	☑ N/A	**Sampled Items:**	☐ Yes	☐ No	☑ N/A
Stock Transfer:	☐ Yes	☐ No	☑ N/A	**OK to Cut:**	☐ Yes	☐ No	☑ N/A
Rebar Test Witness:	☐ Yes	☐ No	☑ N/A	**Delayed/Cancelled:**	☐ Yes	☑ No	☐ N/A

Other: Coating Inspection
Bridge No: 34-0006
Bid Item: 77, 78, 79

Component: See Below
Lot No: B #204

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE Level II Certified coating inspector, Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA coating inspector observed the following:

An inspection was requested on the Bike path panel BK4A-018, 030, 036 -3 nos, for DFT check, Residual chlorides test and MEK test after Mist coat application vide inspection request no. 5665 at Paint shop 1. This QA inspector observed, ABF Inspectors Mr. Shi Stone, Ms. Helen and Mr. Wei found inspecting these surfaces for DFT . This was found not accepted by ABF Inspectors for Low DFT in some areas and Poor surface condition which is not suitable for recoat. Ambient conditions found measured by ZPMC QC Inspectors 8.6 deg. celcius above due point and the relative humidity found to be 46.7 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng was found present during the coarse of this inspection process.

An inspection was requested on the OBG Lift 11 East, Internal entire floor from Panel point P.P 102 to P.P 103 for DFT check after Interzinc 22 application and final VT acceptance vide inspection request no. 5664 at OBG assembly yard. This QA inspector observed, ABF Inspectors Mr. Wei found inspecting these surfaces for DFT . This was found not accepted by ABF Inspectors for Low DFT, Holidays, sagging and poor surface preparations. Ambient conditions found measured by ZPMC QC Inspectors 9.1 deg. celcius above due point and the relative

humidity found to be 46.3 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Andy was found present during the coarse of this inspection process.

An inspection was requested on the OBG Cross Beam support areas, CB 15 &CB16 for Surface preparation inspection for finish coat after Mist coat application vide inspection request no. 5659 at OBG assembly yard. This QA inspector observed, ABF Inspectors Mr. Wei found inspecting these surfaces for Surface preparation . CB 15 & 16 Bottom areas was found accepted by ABF Inspector for Finish coat. Ambient conditions found measured by ZPMC QC Inspectors 8.7 deg. celcius above due point and the relative humidity found to be 46.6 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Andy was found present during the coarse of this inspection process.

An inspection was requested on the Tower Façade cover plates -23 nos for Surface preparation inspection for finish coat after Mist coat application vide inspection request no. T 1898 at Paint shop 2. This QA inspector observed, ABF Inspectors Mr. Shi Stone found inspecting these surfaces for Surface preparation . This was found accepted by ABF Inspectors for Interfine 979 application. Ambient conditions found measured by ZPMC QC Inspectors 8 deg. celcius above due point and the relative humidity found to be 47.5 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng was found present during the coarse of this inspection process.

An inspection was requested on the OBG Crash Barrier Internal surfaces -28 nos for DFT check after Interzinc 22 application and Shim plates, CBFUP4 -7 nos, vide inspection request no. 5663 at Paint shop 2. This QA inspector observed, ABF Inspectors Mr. Shi Stone and Mr. Wei found inspecting these surfaces for DFT . This was found accepted by ABF Inspectors after observing DFT in the range of 85 to 157 microns which is acceptable as per contract documents. Ambient conditions found measured by ZPMC QC Inspectors 8 deg. celcius above due point and the relative humidity found to be 47.5 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng was found present during the coarse of this inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

SOURCE INSPECTION REPORT

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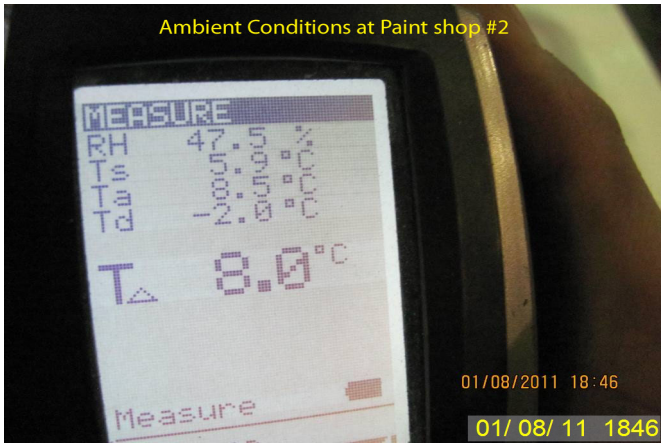

Summary of Conversations:

No relevent Conversation.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Thomas HO (15002048250), who represents the Office of Structural Materials for your project.

Inspected By:	Baskar,Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer